

AMENDMENTS

Please replace all prior versions of the claims with the following claim listing:

In the Claims

1. – 6. (Canceled)

7. (Previously Presented) A pressure controller for controlling the flow of air through a mechanical draft system, the pressure controller comprising:

an appliance controller configured to control the operation of a plurality of appliances;

an intake fan controller configured to control the speed of an intake fan;

an exhaust fan controller configured to control the speed of an exhaust fan;

and

a processor configured to receive a differential pressure signal and to control the operation of the plurality of appliances, the speed of the intake fan, and the speed of the exhaust fan in response to the differential pressure signal;

wherein the processor is further operative to control at least one of the intake fan and the exhaust fan in a bearing cycle mode in which, responsive to the processor determining that at least one of the intake fan and the exhaust fan has been inactive for a threshold time duration, the fan that has been inactive is activated such that internal components of that fan are lubricated.

8. (Original) The pressure controller of claim 7, further comprising:
at least one input device configured to receive inputs for establishing
operation parameters of the mechanical draft system; and
at least one display device configured to display operation conditions of the
mechanical draft system.
9. (Original) The pressure controller of claim 7, wherein the appliance
controller controls up to six appliances.
10. (Original) The pressure controller of claim 9, further comprising a
relay board, wherein the appliance controller and relay board control up to ten
appliances.
11. (Original) The pressure controller of claim 9, further comprising an
external communication link for connection with one or more relay boxes, wherein
the appliance controller and relay boxes control more than ten appliances.
12. (Original) The pressure controller of claim 7, wherein the plurality of
appliances comprises boilers, furnaces, water heaters, or laundry dryers.
13. (Original) The pressure controller of claim 7, further comprising an
RS-232 port for connecting the processor to an external processor.

14. (Previously Presented) The pressure controller of claim 7, wherein the processor comprises an input for receiving the differential pressure signal from a differential transducer and wherein the differential pressure signal is the difference in pressure between the atmosphere and a mechanical room in which the plurality of appliances are located.

15. – 32. (Canceled).